

ABSTRACT OF THE DISCLOSURE

A transmitting station side transmits a transmitting signal obtained by a process of segmenting transmission information into a plurality of frames, of encoding each 5 frame, of power amplifying each encoded signal with different amplitude, and of interleaving all signals with each amplitude signal collected into one. A receiving station side reproduces of the above transmitting signal into original segmental frames by a process of de- 10 interleaving the above transmitting signal, of successively decoding codes of the signal in descending order of SINR, and of re-encoding the decoded signal to successively cancel the re-encoded signal from the above transmitting signal.

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